



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

January 30, 2020

4LSASD-LSB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 20-0169, GAEPD Summerville PFAS Screening

FROM: Diana Burdette
OCS Analyst

THRU: Jason Collum, Chief
LSB Organic Chemistry Section

TO: Nathan Barlet

Attached are the final results for the analytical groups listed below. This report shall not be reproduced except in full without approval of the Region 4 laboratory. These analyses were performed in accordance with the Laboratory Services Branch's Laboratory Operations and Quality Assurance Manual (LSB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the LSB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Chapter 5 of the LSB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Accreditations:

Semi Volatile Organics (SVOA)

PFAS

ASBPROC-800PFAS (Water)



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Sample Disposal Policy

Due to limited space for long term sample storage, LSB's policy is to dispose of samples on a periodic schedule. Air samples collected in summa canisters will be disposed of 30 days following the issuance of this report. All other sample media including original samples, sample extracts and or digestates will be disposed of, in accordance with applicable regulations, 60 days from the date of this report.

This sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time. If samples require storage beyond the 60-day period, please contact the Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov.



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SAMPLES INCLUDED IN THIS REPORT

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Goodwin Hill Field Blank	E200403-01	Field Blank	1/23/20 13:10	1/24/20 7:15
Lowe Springs Field Blank	E200403-02	Field Blank	1/23/20 12:20	1/24/20 7:15
Summerville WTP Field Blank	E200403-03	Field Blank	1/23/20 11:30	1/24/20 7:15
Trip Blank	E200403-04	Trip Blank - Water	1/23/20 10:50	1/24/20 7:15
Goodwin Hill Tank	E200403-05	Potable Water	1/23/20 13:05	1/24/20 7:15
Lowe Spring Raw	E200403-06	Municipal Water Supply	1/23/20 12:00	1/24/20 7:15
Lowe Springs Finished	E200403-07	Potable Water	1/23/20 12:10	1/24/20 7:15
Raccoon Creek	E200403-08	Municipal Water Supply	1/23/20 11:00	1/24/20 7:15
Raccoon Creek Dup	E200403-09	Municipal Water Supply	1/23/20 11:05	1/24/20 7:15
Raccoon Creek Finished	E200403-10	Potable Water	1/23/20 11:25	1/24/20 7:15



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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QM-1	Matrix Spike Recovery less than method control limits

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

ACCREDITATIONS:

ISO	ASB is accredited by ISO/IEC 17025, including an amplification for forensic accreditation through ANSI-ASQ National Accreditation Board. Refer to the certificate and scope of accreditation AT-1644 at: http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd
NR	The EPA Region 4 Laboratory has not requested accreditation for this test.



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Goodwin Hill Field Blank

Lab ID: E200403-01

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 13:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS



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Sample ID: Goodwin Hill Field Blank

Lab ID: E200403-01

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 13:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:04	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Springs Field Blank

Lab ID: E200403-02

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Springs Field Blank

Lab ID: E200403-02

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 12:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:26	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Summerville WTP Field Blank

Lab ID: E200403-03

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Summerville WTP Field Blank

Lab ID: E200403-03

Station ID:

Matrix: Field Blank

Date Collected: 1/23/20 11:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 0:48	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Trip Blank

Lab ID: E200403-04

Station ID:

Matrix: Trip Blank - Water

Date Collected: 1/23/20 10:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Trip Blank

Lab ID: E200403-04

Station ID:

Matrix: Trip Blank - Water

Date Collected: 1/23/20 10:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:10	ASBPROC-800PF AS



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Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Goodwin Hill Tank

Lab ID: E200403-05

Station ID: GWHT

Matrix: Potable Water

Date Collected: 1/23/20 13:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
375-22-4	PFBA	89		ng/L	40	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
375-73-5	PFBS	18		ng/L	18	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
375-85-9	PFHpA	32		ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
307-24-4	PFHxA	320		ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
335-67-1	PFOA	47		ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
1763-23-1	PFOS	45		ng/L	18	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
2706-90-3	PFPeA	640		ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Goodwin Hill Tank

Lab ID: E200403-05

Station ID: GWHT

Matrix: Potable Water

Date Collected: 1/23/20 13:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:32	ASBPROC-800PF AS



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Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Spring Raw

Lab ID: E200403-06

Station ID: LSWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
375-73-5	PFBS	17	U	ng/L	17	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Spring Raw

Lab ID: E200403-06

Station ID: LSWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 12:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 1:54	ASBPROC-800PF AS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Springs Finished

Lab ID: E200403-07

Station ID: LSWTP

Matrix: Potable Water

Date Collected: 1/23/20 12:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
754-91-6	FOSA	20	U, J, QM-1	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
375-22-4	PFBA	40	U	ng/L	40	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
375-85-9	PFHpA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
307-24-4	PFHxA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
335-67-1	PFOA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
1763-23-1	PFOS	18	U	ng/L	18	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
2706-90-3	PFPeA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS



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Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Lowe Springs Finished

Lab ID: E200403-07

Station ID: LSWTP

Matrix: Potable Water

Date Collected: 1/23/20 12:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:16	ASBPROC-800PF AS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek

Lab ID: E200403-08

Station ID: SWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
375-22-4	PFBA	80		ng/L	40	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
375-85-9	PFHpA	32		ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
307-24-4	PFHxA	350		ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
335-67-1	PFOA	48		ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
1763-23-1	PFOS	47		ng/L	18	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
2706-90-3	PFPeA	670		ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek

Lab ID: E200403-08

Station ID: SWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 11:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 2:38	ASBPROC-800PF AS



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D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek Dup

Lab ID: E200403-09

Station ID: SWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
375-22-4	PFBA	89		ng/L	40	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
375-85-9	PFHpA	33		ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
307-24-4	PFHxA	340		ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
335-67-1	PFOA	47		ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
1763-23-1	PFOS	41		ng/L	18	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
2706-90-3	PFPeA	660		ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek Dup

Lab ID: E200403-09

Station ID: SWTP

Matrix: Municipal Water Supply

Date Collected: 1/23/20 11:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:00	ASBPROC-800PF AS



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Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek Finished

Lab ID: E200403-10

Station ID: SWTP

Matrix: Potable Water

Date Collected: 1/23/20 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
757124-72-4	4:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
27619-97-2	6:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
39108-34-4	8:2FTS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
754-91-6	FOSA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
13252-13-6	HFPO-DA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
2355-31-9	N-MeFOSAA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
375-22-4	PFBA	86		ng/L	40	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
375-73-5	PFBS	18	U	ng/L	18	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
335-76-2	PFDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
307-55-1	PFDoA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
335-77-3	PFDS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
375-85-9	PFHpA	32		ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
375-92-8	PFHpS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
307-24-4	PFHxA	340		ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
355-46-4	PFHxS	18	U	ng/L	18	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
375-95-1	PFNA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
68259-12-1	PFNS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
335-67-1	PFOA	49		ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
1763-23-1	PFOS	49		ng/L	18	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
2706-90-3	PFPeA	660		ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Laboratory Services and Applied Science Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 20-0169

Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics

Project: 20-0169, GAEPD Summerville PFAS Screening

Sample ID: Raccoon Creek Finished

Lab ID: E200403-10

Station ID: SWTP

Matrix: Potable Water

Date Collected: 1/23/20 11:25

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
2706-91-4	PFPeS	19	U	ng/L	19	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
72629-94-8	PFTTrDA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS
2058-94-8	PFUdA	20	U	ng/L	20	1/29/20 11:39	1/30/20 3:22	ASBPROC-800PF AS



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Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001044 - S PFC

Blank (2001044-BLK1)

Prepared & Analyzed: 01/29/20

ASBPROC-800PFAS

4:2FTS	U	19	ng/L							U
6:2FTS	U	19	"							U
8:2FTS	U	19	"							U
FOSA	U	20	"							U
HFPO-DA	U	20	"							U
N-MeFOSAA	U	20	"							U
PFBA	U	40	"							U
PFBS	U	18	"							U
PFDA	U	20	"							U
PFDaA	U	20	"							U
PFDS	U	19	"							U
PFHpA	U	20	"							U
PFHpS	U	19	"							U
PFHxA	U	20	"							U
PFHxS	U	18	"							U
PFNA	U	20	"							U
PFNS	U	19	"							U
PFOA	U	20	"							U
PFOS	U	18	"							U
PFPeA	U	20	"							U
PFPeS	U	19	"							U
PFTTrDA	U	20	"							U
PFUdA	U	20	"							U

LCS (2001044-BS1)

Prepared & Analyzed: 01/29/20

ASBPROC-800PFAS

4:2FTS	297	19	ng/L	374.00	79.3	67.1-125
6:2FTS	306	19	"	380.00	80.6	49.2-134
8:2FTS	331	19	"	384.00	86.1	56.4-136
FOSA	322	20	"	400.00	80.5	57.7-148
HFPO-DA	396	20	"	400.00	98.9	51.1-127
N-MeFOSAA	321	20	"	400.00	80.3	43.2-178
PFBA	311	40	"	400.00	77.8	67.9-118
PFBS	279	18	"	354.00	78.7	68.2-118
PFDA	324	20	"	400.00	81.1	47.4-162
PFDaA	301	20	"	400.00	75.3	56.5-155
PFDS	311	19	"	386.00	80.6	35.1-168
PFHpA	326	20	"	400.00	81.4	72.8-116
PFHpS	307	19	"	380.00	80.7	59.7-130



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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001044 - S PFC

LCS (2001044-BS1)

Prepared & Analyzed: 01/29/20

PFHxA	328	20	ng/L	400.00		81.9	62.6-127			
PFHxS	299	18	"	364.80		81.9	69.5-117			
PFNA	327	20	"	400.00		81.7	64.1-128.4			
PFNS	287	19	"	384.00		74.7	63.3-126			
PFOA	323	20	"	400.00		80.8	66.7-122			
PFOS	298	18	"	370.20		80.5	70.4-122			
PFPeA	324	20	"	400.00		80.9	72-115			
PFPeS	309	19	"	376.00		82.3	69-117			
PFTTrDA	276	20	"	400.00		69.0	32.2-215			
PFUDa	329	20	"	400.00		82.3	65.8-142			

Matrix Spike (2001044-MS1)

Source: E200403-07

Prepared: 01/29/20 Analyzed: 01/30/20

ASBPROC-800PFAS

4:2FTS	247	18	ng/L	302.10	U	81.8	70-133			
6:2FTS	238	19	"	306.95	U	77.7	58-143			
8:2FTS	246	19	"	310.18	U	79.2	66-126			
FOSA	166	20	"	323.10	U	51.4	61-138			
HFPO-DA	333	20	"	323.10	U	103	45-129			
N-MeFOSAA	266	20	"	323.10	U	82.2	47-169			
PFBA	241	39	"	323.10	U	74.7	60-141			
PFBS	212	17	"	285.95	U	74.1	62-135			
PFDA	267	20	"	323.10	U	82.6	53-156			
PFDoA	226	20	"	323.10	U	70.0	30-172			
PFDS	206	19	"	311.79	U	66.1	44-151			
PFHpA	272	20	"	323.10	U	84.1	75-122			
PFHpS	257	19	"	306.95	U	83.7	66-132			
PFHxA	271	20	"	323.10	U	83.9	64-138			
PFHxS	254	18	"	294.67	U	86.3	72-124			
PFNA	265	20	"	323.10	U	82.1	72-129			
PFNS	219	19	"	310.18	U	70.6	61-126			
PFOA	268	20	"	323.10	U	83.1	74-127			
PFOS	252	18	"	299.03	U	84.1	68-132			
PFPeA	264	20	"	323.10	U	81.6	75-122			
PFPeS	255	19	"	303.72	U	83.9	72-122			
PFTTrDA	201	20	"	323.10	U	62.2	10-193			
PFUDa	252	20	"	323.10	U	78.1	44-164			

QM-1



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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001044 - S PFC

Matrix Spike Dup (2001044-MSD1)

Source: E200403-07

Prepared: 01/29/20 Analyzed: 01/30/20

ASBPROC-800PFAS

4:2FTS	240	19	ng/L	285.50	U	84.1	70-133	2.87	34	
6:2FTS	268	19	"	290.08	U	92.3	58-143	11.6	45	
8:2FTS	291	19	"	293.13	U	99.2	66-126	16.8	56	
FOSA	194	20	"	305.34	U	63.5	61-138	15.5	39	
HFPO-DA	328	20	"	305.34	U	107	45-129	1.37	57	
N-MeFOSAA	265	20	"	305.34	U	86.7	47-169	0.384	65	
PFBA	230	40	"	305.34	U	75.3	60-141	4.84	37	
PFBS	204	18	"	270.23	U	75.7	62-135	3.51	32	
PFDA	278	20	"	305.34	U	91.2	53-156	4.21	57	
PFD _o A	245	20	"	305.34	U	80.4	30-172	8.09	56	
PFDS	231	19	"	294.66	U	78.5	44-151	11.6	66	
PFHpA	273	20	"	305.34	U	89.6	75-122	0.650	26	
PFHpS	260	19	"	290.08	U	89.6	66-132	1.17	28	
PFHxA	265	20	"	305.34	U	86.7	64-138	2.37	42	
PFHxS	250	18	"	278.47	U	89.6	72-124	1.90	32	
PFNA	279	20	"	305.34	U	91.3	72-129	5.05	31	
PFNS	230	19	"	293.13	U	78.6	61-126	5.02	35	
PFOA	268	20	"	305.34	U	87.7	74-127	0.220	32	
PFOS	259	18	"	282.60	U	91.7	68-132	2.99	37	
PFPeA	265	20	"	305.34	U	86.8	75-122	0.454	27	
PFPeS	258	19	"	287.02	U	89.7	72-122	1.12	29	
PFT _o DA	244	20	"	305.34	U	79.9	10-193	19.3	106	
PFUdA	269	20	"	305.34	U	88.2	44-164	6.49	48	

MRL Verification (2001044-PS1)

Prepared & Analyzed: 01/29/20

ASBPROC-800PFAS

4:2FTS	17.0	19	ng/L	18.700		91.0	47.1-145			MRL-2, Q-2, J
6:2FTS	22.5	19	"	19.000		119	29.2-154			MRL-2
8:2FTS	20.3	19	"	19.200		106	36.4-156			MRL-2
FOSA	13.8	20	"	20.000		68.9	37.7-168			MRL-2, Q-2, J
HFPO-DA	14.6	20	"	20.000		73.2	31.3-147			MRL-2, Q-2, J
N-MeFOSAA	11.7	20	"	20.000		58.4	23.2-198			MRL-2, Q-2, J
PFBS	16.6	18	"	17.700		93.5	48.2-138			MRL-2, Q-2, J
PFDA	19.7	20	"	20.000		98.3	27.4-182			MRL-2, Q-2, J



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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2001044 - S PFC

MRL Verification (2001044-PS1)

Prepared & Analyzed: 01/29/20

PFD _o A	18.9	20	ng/L	20.000		94.6	36.5-175			MRL-2, Q-2, J
PFDS	20.4	19	"	19.300		105	15.1-188			MRL-2
PFHpA	19.5	20	"	20.000		97.6	52.8-136			MRL-2, Q-2, J
PFHpS	18.5	19	"	19.000		97.4	39.7-150			MRL-2, Q-2, J
PFHxA	16.8	20	"	20.000		83.9	42.6-147			MRL-2, Q-2, J
PFHxS	15.7	18	"	18.240		86.1	49.5-138			MRL-2, Q-2, J
PFNA	18.0	20	"	20.000		89.8	44.1-148			MRL-2, Q-2, J
PFNS	15.1	19	"	19.200		78.8	43.3-146			MRL-2, Q-2, J
PFOA	18.9	20	"	20.000		94.7	46.7-142			MRL-2, Q-2, J
PFOS	20.6	18	"	18.510		111	50.4-142			MRL-2
PFPeA	19.3	20	"	20.000		96.5	52-135			MRL-2, Q-2, J
PFPeS	18.2	19	"	18.800		97.0	49-137			MRL-2, Q-2, J
PFT _r DA	19.3	20	"	20.000		96.7	12.2-235			MRL-2, Q-2, J
PFUdA	21.2	20	"	20.000		106	45.8-162			MRL-2

MRL Verification (2001044-PS2)

Prepared & Analyzed: 01/29/20

ASBPROC-800PFAS

PFBA	34.3	40	ng/L	40.000		85.7	47.9-138			MRL-2, Q-2, J
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Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
MRL-2	MRL verification for Non-Potable Water matrix
Q-2	Result greater than MDL but less than MRL.
QM-1	Matrix Spike Recovery less than method control limits